

PATENT ABSTRACTS OF JAPAN

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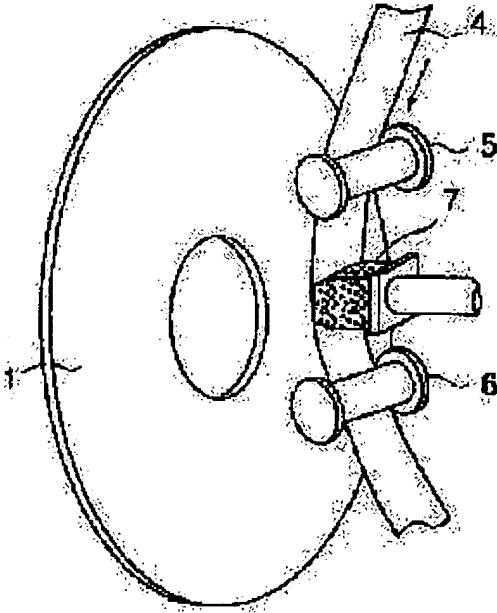
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(54) MANUFACTURE OF INFORMATION RECORDING MEDIUM



(57)Abstract:

PROBLEM TO BE SOLVED: To provide the manufacturing method of an information recording medium capable of uniformly grinding the medium without generating a scratch so as to obtain a highly precise recording medium free from recording and reproduction error by tape-cleaning the protective layer of the recording medium by pressing a grinding tape for tape-cleaning to a substrate having each layer formed utilizing a foamed body of a soft polymer material.

SOLUTION: A grinding tape 4 is fed to both surfaces of a rotating disk substrate 1 along the disk surfaces, e.g. at an about 4 mm/sec speed. The grinding tape 4 runs near to the disk surfaces of the substrate 1 while guided by tape guide rollers 5 and 6. A pressing material 7 is disposed between the rollers 5 and 6 and the grinding tape 4 is pressed to the disk surface of the substrate 1

by the pressing material 7. The grinding tape 4 is fed to both surfaces of the substrate 1 and preferably both surfaces of the substrate 1 are simultaneously pressed and grinded. As the pressing material 7, a material having elasticity is favorable and a foamed body consisting of a soft polymer material is utilized. The hardness of the surface of the foamed body and the pressing force of the grinding tape 4 by the pressing material 7 are preferably 8-50 and 30-200 g respectively.